

PATENT APPLICATION DECLARATION COMBINED
WITH POWER OF ATTORNEY

X REGULAR (UTILITY) OR _____ DESIGN APPLICATION
(check one)

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled "Global Service Management System for an Advanced Intelligent Network", Attorney Docket No. 29119/34176 (Ameritech File No. A00392), the specification of which:

_____ is attached hereto.

X was filed on June 23, 1998 as U.S. Application Serial No. 09/103,286 and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I hereby authorize my attorney(s) or agent(s) to fill in the U.S. Application Serial No. above, if required.

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I hereby claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s):

X no such applications filed

_____ such applications identified as follows:

Priority Claimed

(Serial No.)	(Country)	(Day/Month/Year Filed)	Yes	No
_____	_____	_____	_____	_____
(Serial No.)	(Country)	(Day/Month/Year Filed)	Yes	No
_____	_____	_____	_____	_____
(Serial No.)	(Country)	(Day/Month/Year Filed)	Yes	No
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(Check
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(Application Serial No.)	(Filing Date)	(Status)	(Patented, Pending, Abandoned)

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I HEREBY APPOINT THE FOLLOWING AS MY ATTORNEY(S) OR AGENT(S) WITH FULL POWER OF SUBSTITUTION TO PROSECUTE THIS APPLICATION AND TRANSACT ALL BUSINESS IN THE PATENT AND TRADEMARK OFFICE CONNECTED THEREWITH:

<u>NAMES</u>	<u>REG. NO.</u>	<u>NAMES</u>	<u>REG. NO.</u>
Bruce E. Stuckman	36,693	James A. Flight	37,622
Robert M. Gerstein	34,824		

Send Written Correspondence to: James A. Flight
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 6300 Sears Tower
 233 South Wacker Drive
 Chicago, Illinois 60606-6402

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statement and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

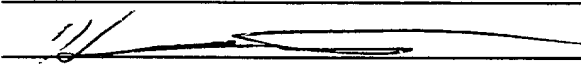
Full name of first inventor	<u>Scott Alan Beckwith</u>		
Inventor's signature	<u>Scott A. Beckwith</u>		
Date:	<u>9-3-98</u>		
Residence:	<u>East Troy, Wisconsin</u>		
	City	State or Foreign Country	
Citizenship	<u>United States of America</u>		
Post Office Address	<u>N8508 Townline Road</u>		
	<u>East Troy, WI 53120</u>		
	City	State or Country	Zip Code

Full name of Second inventor	<u>John D Curtis</u>		
Inventor's signature			
Date:			
Residence:	<u>Flower Mound, Texas</u>		
	City	State or Foreign Country	
Citizenship	<u>United States of America</u>		
Post Office Address	<u>2540 Brown Drive</u>		
	<u>Flower Mound, TX 75028</u>		
	City	State or Country	Zip Code

Full name of Third inventor	<u>Ronald Joseph Ginter</u>		
Inventor's signature			
Date:			
Residence:	<u>Nashotah, Wisconsin</u>		
	City	State or Foreign Country	
Citizenship	<u>United States of America</u>		
Post Office Address	<u>W336 N5271 Wedgewood Drive</u>		
	<u>Nashotah, WI 52058</u>		
	City	State or Country	Zip Code

Full name of Fourth inventor	<u>Mark Wade Layman</u>		
Inventor's signature			
Date:			
Residence:	<u>Colorado Springs, Colorado</u>		
	City	State or Foreign Country	
Citizenship	<u>United States of America</u>		
Post Office Address	<u>14415 Snowdrift Lane</u>		
	<u>Colorado Springs, CO 80908</u>		
	City	State or Country	Zip Code

Full name of Fifth inventor	<u>Steven Louis Mather</u>		
Inventor's signature			
Date:			
Residence:	<u>Tampa, Florida</u>		
	City	State or Foreign Country	
Citizenship	<u>United States of America</u>		
Post Office Address	<u>14860 Par Club Circle</u>		
	<u>Tampa, FL 33624</u>		
	City	State or Country	Zip Code

Full name of Sixth inventor	<u>Keith Allen McMillan</u>		
Inventor's signature			
Date:	<u>3 September, 1998</u>		
Residence:	<u>Milwaukee, Wisconsin</u>		
	City	State or Foreign Country	
Citizenship	<u>United States of America</u>		
Post Office Address	<u>3413 N Cramer St.</u>		
	<u>Milwaukee, WI 53211</u>		
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Full name of first inventor	<u>Scott Alan Beckwith</u>		
Inventor's signature	_____		
Date:	_____		
Residence:	<u>East Troy, Wisconsin</u>	_____	
	City	State or Foreign Country	
Citizenship	<u>United States of America</u>		
Post Office Address	<u>N8508 Townline Road</u>		
	<u>East Troy, WI 53120</u>	_____	
	City	State or Country	Zip Code

Full name of Second inventor	<u>John D Curtis</u>		
Inventor's signature	<u><i>John D. Curtis</i></u>		
Date:	<u>9/2/98</u>		
Residence:	<u>Flower Mound, Texas</u>	_____	
	City	State or Foreign Country	
Citizenship	<u>United States of America</u>		
Post Office Address	<u>2540 Brown Drive</u>		
	<u>Flower Mound, TX 75028</u>	_____	
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Full name of Third inventor	<u>Ronald Joseph Ginter</u>		
Inventor's signature	_____		
Date:	_____		
Residence:	<u>Nashotah, Wisconsin</u>	_____	
	City	State or Foreign Country	
Citizenship	<u>United States of America</u>		
Post Office Address	<u>W336 N5271 Wedgewood Drive</u>		
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Inventor's signature	_____		
Date:	_____		
Residence:	<u>Colorado Springs, Colorado</u>	_____	
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Inventor's signature	_____		
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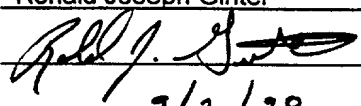
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Inventor's signature	_____		
Date:	_____		
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Citizenship	<u>United States of America</u>		
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Inventor's signature	_____		
Date:	_____		
Residence:	<u>Flower Mound, Texas</u>	_____	
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Post Office Address	<u>2540 Brown Drive</u>		
	<u>Flower Mound, TX 75028</u>	_____	_____
	City	State or Country	Zip Code

Full name of Third inventor	<u>Ronald Joseph Ginter</u>		
Inventor's signature			
Date:	<u>7/2/78</u>		
Residence:	<u>Nashotah, Wisconsin</u>	_____	
	City	State or Foreign Country	
Citizenship	<u>United States of America</u>		
Post Office Address	<u>W336 N5271 Wedgewood Drive</u>		
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Full name of Fourth inventor	<u>Mark Wade Layman</u>		
Inventor's signature			
Date:			
Residence:	<u>Colorado Springs, Colorado</u>		
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Citizenship	<u>United States of America</u>		
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Inventor's signature			
Date:			
Residence:	<u>Tampa, Florida</u>		
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Post Office Address	<u>14860 Par Club Circle</u>		
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Inventor's signature			
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<u>NAMES</u>	<u>REG. NO.</u>	<u>NAMES</u>	<u>REG. NO.</u>
Bruce E. Stuckman	36,693	James A. Flight	37,622
Robert M. Gerstein	34,824		

Send Written Correspondence to: James A. Flight
 Marshall, O'Toole, Gerstein, Murray & Borun
 6300 Sears Tower
 233 South Wacker Drive
 Chicago, Illinois 60606-6402

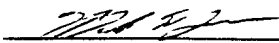
Direct Telephone Calls to: James A. Flight at 312/474-6300

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statement and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor	<u>Scott Alan Beckwith</u>		
Inventor's signature	_____		
Date:	_____		
Residence:	<u>East Troy, Wisconsin</u>	_____	
	City	State or Foreign Country	
Citizenship	<u>United States of America</u>		
Post Office Address	<u>N8508 Townline Road</u>		
	<u>East Troy, WI 53120</u>	_____	
	City	State or Country	Zip Code

Full name of Second inventor	<u>John D Curtis</u>		
Inventor's signature	_____		
Date:	_____		
Residence:	<u>Flower Mound, Texas</u>	_____	
	City	State or Foreign Country	
Citizenship	<u>United States of America</u>		
Post Office Address	<u>2540 Brown Drive</u>		
	<u>Flower Mound, TX 75028</u>	_____	
	City	State or Country	Zip Code

Full name of Third inventor	<u>Ronald Joseph Ginter</u>		
Inventor's signature	_____		
Date:	_____		
Residence:	<u>Nashotah, Wisconsin</u>	_____	
	City	State or Foreign Country	
Citizenship	<u>United States of America</u>		
Post Office Address	<u>W336 N5271 Wedgewood Drive</u>		
	<u>Nashotah, WI 52058</u>	_____	
	City	State or Country	Zip Code

Full name of Fourth inventor	<u>Mark Wade Layman</u>		
Inventor's signature	<u></u>		
Date:	<u>9/6/98</u>		
Residence:	<u>Colorado Springs, Colorado</u>		
	City	State or Foreign Country	
Citizenship	<u>United States of America</u>		
Post Office Address	<u>14415 Snowdrift Lane</u>		
	<u>Colorado Springs, CO 80908</u>		
	City	State or Country	Zip Code

Full name of Fifth inventor	<u>Steven Louis Mather</u>		
Inventor's signature	<u></u>		
Date:	<u></u>		
Residence:	<u>Tampa, Florida</u>		
	City	State or Foreign Country	
Citizenship	<u>United States of America</u>		
Post Office Address	<u>14860 Par Club Circle</u>		
	<u>Tampa, FL 33624</u>		
	City	State or Country	Zip Code

Full name of Sixth inventor	<u>Keith Allen McMillan</u>		
Inventor's signature	<u></u>		
Date:	<u></u>		
Residence:	<u>Milwaukee, Wisconsin</u>		
	City	State or Foreign Country	
Citizenship	<u>United States of America</u>		
Post Office Address	<u>3413 N Cramer St.</u>		
	<u>Milwaukee, WI 53211</u>		
	City	State or Country	Zip Code

PATENT APPLICATION DECLARATION COMBINED
WITH POWER OF ATTORNEY

X REGULAR (UTILITY) OR _____ DESIGN APPLICATION
(check one)

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled "Global Service Management System for an Advanced Intelligent Network", Attorney Docket No. 29119/34176 (Ameritech File No. A00392), the specification of which:

_____ is attached hereto.

X was filed on June 23, 1998 as U.S. Application Serial No. 09/103,286 and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I hereby authorize my attorney(s) or agent(s) to fill in the U.S. Application Serial No. above, if required.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulation, Section 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s):

X no such applications filed

_____ such applications identified as follows:

Priority Claimed

(Serial No.)	(Country)	(Day/Month/Year Filed)	Yes	No
_____	_____	_____	_____	_____
(Serial No.)	(Country)	(Day/Month/Year Filed)	Yes	No
_____	_____	_____	_____	_____
(Serial No.)	(Country)	(Day/Month/Year Filed)	Yes	No
_____	_____	_____	_____	_____

I hereby claim the priority benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which is material to the examination of this application and which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Prior U.S. Application(s):

(Check
one)

 X no such applications filed
 such applications identified as follows:

(Application Serial No.)	(Filing Date)	(Status)	(Patented, Pending, Abandoned)

(Application Serial No.)	(Filing Date)	(Status)	(Patented, Pending, Abandoned)

(Application Serial No.)	(Filing Date)	(Status)	(Patented, Pending, Abandoned)

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<u>NAMES</u>	<u>REG. NO.</u>	<u>NAMES</u>	<u>REG. NO.</u>
Bruce E. Stuckman	36,693	James A. Flight	37,622
Robert M. Gerstein	34,824		

Send Written Correspondence to: James A. Flight
 Marshall, O'Toole, Gerstein, Murray & Borun
 6300 Sears Tower
 233 South Wacker Drive
 Chicago, Illinois 60606-6402

Direct Telephone Calls to: James A. Flight at 312/474-6300

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statement and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor	<u>Scott Alan Beckwith</u>		
Inventor's signature	_____		
Date:	_____		
Residence:	<u>East Troy, Wisconsin</u>	_____	
	City	State or Foreign Country	
Citizenship	<u>United States of America</u>		
Post Office Address	<u>N8508 Townline Road</u>		
	<u>East Troy, WI 53120</u>	_____	_____
	City	State or Country	Zip Code

Full name of Second inventor	<u>John D Curtis</u>		
Inventor's signature	_____		
Date:	_____		
Residence:	<u>Flower Mound, Texas</u>	_____	
	City	State or Foreign Country	
Citizenship	<u>United States of America</u>		
Post Office Address	<u>2540 Brown Drive</u>		
	<u>Flower Mound, TX 75028</u>	_____	_____
	City	State or Country	Zip Code

Full name of Third inventor	<u>Ronald Joseph Ginter</u>		
Inventor's signature	_____		
Date:	_____		
Residence:	<u>Nashotah, Wisconsin</u>	_____	
	City	State or Foreign Country	
Citizenship	<u>United States of America</u>		
Post Office Address	<u>W336 N5271 Wedgewood Drive</u>		
	<u>Nashotah, WI 52058</u>	_____	_____
	City	State or Country	Zip Code

Full name of Fourth inventor	<u>Mark Wade Layman</u>		
Inventor's signature			
Date:			
Residence:	<u>Colorado Springs, Colorado</u>		
	City	State or Foreign Country	
Citizenship	<u>United States of America</u>		
Post Office Address	<u>14415 Snowdrift Lane</u>		
	<u>Colorado Springs, CO 80908</u>		
	City	State or Country	Zip Code

Full name of Fifth inventor	<u>Steven Louis Mather</u>		
Inventor's signature	<u><i>Steven Mather</i></u>		
Date:	<u>9/5/98</u>		
Residence:	<u>Tampa, Florida</u>		
	City	State or Foreign Country	
Citizenship	<u>United States of America</u>		
Post Office Address	<u>14860 Par Club Circle</u>		
	<u>Tampa, FL 33624</u>		
	City	State or Country	Zip Code

Full name of Sixth inventor	<u>Keith Allen McMillan</u>		
Inventor's signature			
Date:			
Residence:	<u>Milwaukee, Wisconsin</u>		
	City	State or Foreign Country	
Citizenship	<u>United States of America</u>		
Post Office Address	<u>3413 N Cramer St.</u>		
	<u>Milwaukee, WI 53211</u>		
	City	State or Country	Zip Code

ASSIGNMENT

WHEREAS, Scott Alan Beckwith, John D. Curtis, Ronald Joseph Ginter, Mark Wade Layman, Steven Louis Mather and Keith Allen McMillan, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled "Global Service Management System for an Advanced Intelligent Network", Attorney Docket No. 29119/34176, (Ameritech File No. A00392) for a full description of which reference is here made to an application for Letters Patent of the United States filed on June 23, 1998 and assigned Application Serial No. 09/103,286;

WHEREAS, AMERITECH CORPORATION, a corporation organized and existing under the laws the State of Delaware, having a place of business at 2000 West Ameritech Center Drive, Hoffman Estates, Illinois 60196-1025, hereinafter called the "Assignee", desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

NOW, THEREFORE in consideration of the sum of One Dollar (\$1.00) and other valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term and terms for all such patents.

The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representatives, that the Assignors will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignors will execute and deliver to the Assignee to carry out the terms of this Assignment. Assignors authorize attorney or agent to fill in the U.S. Application Serial No. above, if required.

The Commissioner of Patents is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

Scott A. Beckwith
Scott Alan Beckwith

Before me, the undersigned authority, on this 3RD day of September, 1998, personally appeared Scott Alan Beckwith known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own freewill for the purpose and consideration therein expressed.

[SEAL]

State of _____)
) ss.
County of _____)

Before me, the undersigned authority, on this ____ day of _____, 1998, personally appeared John D. Curtis known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own freewill for the purpose and consideration therein expressed.

[SEAL]

Ronald Joseph Ginter

State of _____)
) ss.
County of _____)

Before me, the undersigned authority, on this ____ day of _____, 1998, personally appeared Ronald Joseph Ginter known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own freewill for the purpose and consideration therein expressed.

Notary Public

[SEAL]

Mark Wade Layman

State of _____)
) ss.
County of _____)

Before me, the undersigned authority, on this ____ day of _____, 1998, personally appeared Mark Wade Layman known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own freewill for the purpose and consideration therein expressed.

Notary Public

[SEAL]

Steven Louis Mather

State of _____)
County of _____) ss.

Before me, the undersigned authority, on this ____ day of _____, 1998, personally appeared Steven Louis Mather known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own freewill for the purpose and consideration therein expressed.

Notary Public

[SEAL]

Keith Allen McMillan

State of WISCONSIN)
County of MILWAUKEE) ss.

Before me, the undersigned authority, on this 3RD day of September, 1998, personally appeared Keith Allen McMillan known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own freewill for the purpose and consideration therein expressed.

Mary K. Lasocki
Notary Public

[SEAL]

ASSIGNMENT

WHEREAS, Scott Alan Beckwith, John D. Curtis, Ronald Joseph Ginter, Mark Wade Layman, Steven Louis Mather and Keith Allen McMillan, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled "Global Service Management System for an Advanced Intelligent Network", Attorney Docket No. 29119/34176, (Ameritech File No. A00392) for a full description of which reference is here made to an application for Letters Patent of the United States filed on June 23, 1998 and assigned Application Serial No. 09/103,286;

WHEREAS, AMERITECH CORPORATION, a corporation organized and existing under the laws the State of Delaware, having a place of business at 2000 West Ameritech Center Drive, Hoffman Estates, Illinois 60196-1025, hereinafter called the "Assignee", desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

NOW, THEREFORE in consideration of the sum of One Dollar (\$1.00) and other valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term and terms for all such patents.

The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representatives, that the Assignors will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignors will execute and deliver to the Assignee to carry out the terms of this Assignment. Assignors authorize attorney or agent to fill in the U.S. Application Serial No. above, if required.

The Commissioner of Patents is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignors have executed this Agreement.

Scott Alan Beckwith

State of _____)
) ss.
County of _____)

Before me, the undersigned authority, on this ____ day of _____, 1998, personally appeared Scott Alan Beckwith known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own freewill for the purpose and consideration therein expressed.

Notary Public

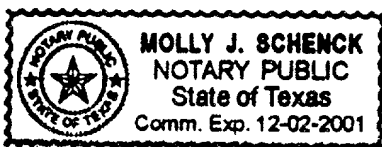
[SEAL]

State of Texas)
) ss.
County of Denton)

John D. Curtis
John D. Curtis

Before me, the undersigned authority, on this 2nd day of September, 1998, personally appeared John D. Curtis known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own freewill for the purpose and consideration therein expressed.

Molly J. Schenck
Notary Public



[SEAL]

Ronald Joseph Ginter

State of _____)
) ss.
County of _____)

Before me, the undersigned authority, on this ____ day of _____, 1998, personally appeared Ronald Joseph Ginter known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own freewill for the purpose and consideration therein expressed.

Notary Public

[SEAL]

Mark Wade Layman

State of _____)
) ss.
County of _____)

Before me, the undersigned authority, on this ____ day of _____, 1998, personally appeared Mark Wade Layman known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own freewill for the purpose and consideration therein expressed.

Notary Public

[SEAL]

Steven Louis Mather

State of _____)
County of _____) ss.

Before me, the undersigned authority, on this ____ day of _____, 1998, personally appeared Steven Louis Mather known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own freewill for the purpose and consideration therein expressed.

Notary Public

[SEAL]

Keith Allen McMillan

State of _____)
County of _____) ss.

Before me, the undersigned authority, on this ____ day of _____, 1998, personally appeared Keith Allen McMillan known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own freewill for the purpose and consideration therein expressed.

Notary Public

[SEAL]

ASSIGNMENT

WHEREAS, Scott Alan Beckwith, John D. Curtis, Ronald Joseph Ginter, Mark Wade Layman, Steven Louis Mather and Keith Allen McMillan, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled "Global Service Management System for an Advanced Intelligent Network", Attorney Docket No. 29119/34176, (Ameritech File No. A00392) for a full description of which reference is here made to an application for Letters Patent of the United States filed on June 23, 1998 and assigned Application Serial No. 09/103,286;

WHEREAS, AMERITECH CORPORATION, a corporation organized and existing under the laws the State of Delaware, having a place of business at 2000 West Ameritech Center Drive, Hoffman Estates, Illinois 60196-1025, hereinafter called the "Assignee", desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

NOW, THEREFORE in consideration of the sum of One Dollar (\$1.00) and other valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term and terms for all such patents.

The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representatives, that the Assignors will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignors will execute and deliver to the Assignee to carry out the terms of this Assignment. Assignors authorize attorney or agent to fill in the U.S. Application Serial No. above, if required.

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Scott Alan Beckwith

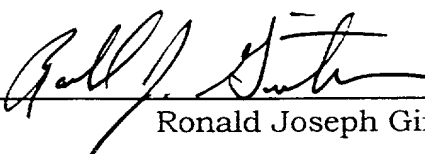
State of _____)
) ss.
County of _____)

Notary Public

John D. Curtis

Notary Public

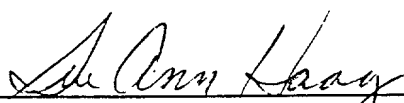
- 2 -


 Ronald Joseph Ginter

State of Wisconsin)
 County of Milwaukee) ss. 393-40-8383

Before me, the undersigned authority, on this 3 day of September, 1998, personally appeared Ronald Joseph Ginter known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own freewill for the purpose and consideration therein expressed.

*Commission expires
6/10/2001*


 Notary Public

[SEAL]

Mark Wade Layman

State of _____)
 County of _____) ss.

Before me, the undersigned authority, on this ____ day of _____, 1998, personally appeared Mark Wade Layman known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own freewill for the purpose and consideration therein expressed.

Notary Public

[SEAL]

Steven Louis Mather

State of _____)
County of _____) ss.

Before me, the undersigned authority, on this ____ day of _____, 1998, personally appeared Steven Louis Mather known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own freewill for the purpose and consideration therein expressed.

Notary Public

[SEAL]

Keith Allen McMillan

State of _____)
County of _____) ss.

Before me, the undersigned authority, on this ____ day of _____, 1998, personally appeared Keith Allen McMillan known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own freewill for the purpose and consideration therein expressed.

Notary Public

[SEAL]

ASSIGNMENT

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WHEREAS, AMERITECH CORPORATION, a corporation organized and existing under the laws the State of Delaware, having a place of business at 2000 West Ameritech Center Drive, Hoffman Estates, Illinois 60196-1025, hereinafter called the "Assignee", desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

NOW, THEREFORE in consideration of the sum of One Dollar (\$1.00) and other valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term and terms for all such patents.

The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representatives, that the Assignors will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignors will execute and deliver to the Assignee to carry out the terms of this Assignment. Assignors authorize attorney or agent to fill in the U.S. Application Serial No. above, if required.

The Commissioner of Patents is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignors have executed this Agreement.

Scott Alan Beckwith

State of _____)
County of _____) ss.

Before me, the undersigned authority, on this ____ day of _____, 1998, personally appeared Scott Alan Beckwith known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own freewill for the purpose and consideration therein expressed.

Notary Public

[SEAL]

John D. Curtis

State of _____)
County of _____) ss.

Before me, the undersigned authority, on this ____ day of _____, 1998, personally appeared John D. Curtis known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own freewill for the purpose and consideration therein expressed.

Notary Public

[SEAL]

Ronald Joseph Ginter

State of _____)
) ss.
County of _____)

Before me, the undersigned authority, on this ____ day of _____, 1998, personally appeared Ronald Joseph Ginter known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own freewill for the purpose and consideration therein expressed.

Notary Public

[SEAL]

Mark Wade Layman

State of Colorado)
) ss.
County of El Paso)

Before me, the undersigned authority, on this 15th day of September, 1998, personally appeared Mark Wade Layman known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own freewill for the purpose and consideration therein expressed.

My Commission Expires
08/28/99

Notary Public

324 S. Cascade, Suite 2
Colorado Springs, CO 80903

[SEAL]

Steven Louis Mather

State of _____)
County of _____) ss.

Before me, the undersigned authority, on this ____ day of _____, 1998, personally appeared Steven Louis Mather known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own freewill for the purpose and consideration therein expressed.

Notary Public

[SEAL]

Keith Allen McMillan

State of _____)
County of _____) ss.

Before me, the undersigned authority, on this ____ day of _____, 1998, personally appeared Keith Allen McMillan known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own freewill for the purpose and consideration therein expressed.

Notary Public

[SEAL]

ASSIGNMENT

WHEREAS, Scott Alan Beckwith, John D. Curtis, Ronald Joseph Ginter, Mark Wade Layman, Steven Louis Mather and Keith Allen McMillan, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled "Global Service Management System for an Advanced Intelligent Network", Attorney Docket No. 29119/34176, (Ameritech File No. A00392) for a full description of which reference is here made to an application for Letters Patent of the United States filed on June 23, 1998 and assigned Application Serial No. 09/103,286;

WHEREAS, AMERITECH CORPORATION, a corporation organized and existing under the laws the State of Delaware, having a place of business at 2000 West Ameritech Center Drive, Hoffman Estates, Illinois 60196-1025, hereinafter called the "Assignee", desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

NOW, THEREFORE in consideration of the sum of One Dollar (\$1.00) and other valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term and terms for all such patents.

The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representatives, that the Assignors will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignors will execute and deliver to the Assignee to carry out the terms of this Assignment. Assignors authorize attorney or agent to fill in the U.S. Application Serial No. above, if required.

The Commissioner of Patents is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

State of _____)
County of _____) ss. _____ .

Notary Public

John D. Curtis

Notary Public

- 2 -

Ronald Joseph Ginter

State of _____)
County of _____) ss.

Before me, the undersigned authority, on this ____ day of _____, 1998, personally appeared Ronald Joseph Ginter known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own freewill for the purpose and consideration therein expressed.

Notary Public

[SEAL]

Mark Wade Layman

State of _____)
County of _____) ss.

Before me, the undersigned authority, on this ____ day of _____, 1998, personally appeared Mark Wade Layman known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own freewill for the purpose and consideration therein expressed.

Notary Public

[SEAL]

Steven Louis Mather
Steven Louis Mather
 Steven Louis Mather

State of _____)
) ss.
 County of _____)

Before me, the undersigned authority, on this 20th day of October, 1998, personally appeared Steven Louis Mather known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own freewill for the purpose and consideration therein expressed.

Fern E. Kuehler
 Notary Public



[SEAL]

 Keith Allen McMillan

State of _____)
) ss.
 County of _____)

Before me, the undersigned authority, on this ____ day of _____, 1998, personally appeared Keith Allen McMillan known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own freewill for the purpose and consideration therein expressed.

 Notary Public

[SEAL]